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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/541,796	07/11/2005	Tjay Tjien Tjioe	4662-47	4127
	23117 NIXON & VA	7590 05/01/2007 & VANDERHYE, PC		EXAMINER ·	
	901 NORTH (GLEBE ROAD, 11TH FLO	OR	HITESHEW, FELIS	ELISA CARLA
	ARLINGTON, VA 22203			ART UNIT	PAPER NUMBER
				1722	
				MAIL DATE	DELIVERY MODE
				05/01/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/541,796	, TJAY TJIOE				
Office Action Summary	Examiner	Art Unit				
	Felisa C. Hiteshew	1722				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on	_•					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
 4) Claim(s) 1-8 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-6 and 8 is/are rejected. 7) Claim(s) 7 is/are objected to. 8) Claim(s) are subject to restriction and/or 						
Application Papers		,				
9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>08/09/2005</u>. 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	te				

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Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

The PTOL 1449 has been received, reviewed and considered.

Claim Rejections - 35 USC § 112

- 2. Claim 1 recites the limitation "method" in line 1. There is insufficient antecedent basis for this limitation in the claim. Please insert the word --A --before the word "method" for proper antecedence.
- 3. Claim 6 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 6 is being considered vague and indefinite in the use of the terminology "...characterized in that..." The terminology "...characterized in that..." does not meet up to date U.S. Patent practice standards. Is the claim language open or closed? The terminology is vague and indefinite.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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5. Claims 1-6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 3,637,686 (Kokubo, et al).

Kokubo, et al teaches a method for crystallizing melamine, comprising crude molten melamine or a mixture of said melamine with ammonia, carbon dioxide, and etc. passes through a pipe (1) where it is depressurized and atomized or "sprayed" when it enters a pressure cooler (2), which is composed of the first step cooling section (23) (200 to 270*C) at the tope, the second step cooling section (18) (100 to 200*C) in the middle, and the melamine-dissolving and impurities-decomposing section (100 to 200*C) at the bottom. The pressure cooler is maintained at a pressure of 5 to 100 kb/cm2 and an ammonia concentration of 5 to 80% by weight. The melamine solution extracted form a pipe (3) is depressurized and cooled in the degasification column (5), which is maintained at a pressure of 1 to 15 kg/cm2.

The difference being that Kokubo, et al does not exactly teach a method for crystallizing a melamine melt, wherein "... at most 10% of CO2 relative to the sprayed quantity of melamine melt..." or a method of manufacturing melamine from urea to form melamine in a reactor at a pressure between 4 and 25 MPa and a temperature between 330 and 430*C. However, in the absence of unobvious results, it would have been obvious to one of ordinary skill in the art to modify and optimize the process parameter limitations, as stated in Kokubo, et al, in order to ensure optimal optimization.

Expected beneficial results are evidence of obviousness, just as unexpected beneficial results are evidence of unobviousness. In re Novak 16 USPQ 2d 2041 (Fed. Cir., BPAI 1989); In re Hoffman 194 USPQ 126 (CCPA 1977); In re Skoll 187 USPQ

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481 (CCPA 1975); In re Skoner 186 USPQ 80 (CCPA 1975); In re Garshon 152 USPQ 602 (CCPA 1967).

Allowable Subject Matter

6. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Felisa Hiteshew whose telephone number is (571) 272-1463. The examiner can normally be reached on Mondays through Thursday from 5:30 AM to 4:00 PM with Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta, can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-1463.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system. see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866- 217-9197 (toll-free).

FELISA HITESHEW PRIMARY EXAMINER